

2570  
0221

# 14



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## RAW SEQUENCE LISTING

DATE: 02/19/2003

PATENT APPLICATION: US/10/092,900A

TIME: 13:31:26

Input Set : D:\590C US.txt

Output Set: N:\CRF4\02192003\J092900A.raw

1 <110> APPLICANT: Padigaru, Muralidhara  
 2 Spytek, Kimberly A.  
 3 Shenoy, Suresh G.  
 4 Taupier Jr., Raymond J.  
 5 Pena, Carol E.A.  
 6 Li, Li  
 7 Zerhusen, Bryan D.  
 8 Gusev, Vladimir Y.  
 9 Ji, Weizhen  
 10 Gorman, Linda  
 11 Miller, Charles E.  
 12 Kekuda, Ramesh  
 13 Patturajan, Meera  
 14 Gangolli, Esha A.  
 15 Vernet, Corine A.M.  
 16 Guo, Xiaojia Sasha  
 17 Tchernev,, Velizar T.  
 18 Fernandes, Elma R.  
 19 Casman, Stacie J.  
 20 Malyankar, Uriel M.  
 21 Gerlach, Valerie  
 22 Liu, Yi  
 23 Anderson, David W.  
 24 Spaderna, Steven K.  
 25 Catterton, Elina  
 26 Leite, Mario W.  
 27 Zhong, Haihong  
 28 Alsobrook, John P.  
 29 Lepley, Denise M.  
 30 Rieger, Daniel K.

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W--&gt; 31 Burgess, Catherine E.

33 &lt;120&gt; TITLE OF INVENTION: Novel Proteins and Nucleic Acids Encoding Same

35 &lt;130&gt; FILE REFERENCE: 21402-290C

C--&gt; 37 &lt;140&gt; CURRENT APPLICATION NUMBER: US/10/092,900A

38 &lt;141&gt; CURRENT FILING DATE: 2002-03-07

40 &lt;150&gt; PRIOR APPLICATION NUMBER: USSN 60/274,322

41 &lt;151&gt; PRIOR FILING DATE: 2001-03-08

43 &lt;150&gt; PRIOR APPLICATION NUMBER: USSN 60/283,675

44 &lt;151&gt; PRIOR FILING DATE: 2001-04-13

46 &lt;150&gt; PRIOR APPLICATION NUMBER: USSN 60/338,092

47 &lt;151&gt; PRIOR FILING DATE: 2001-12-03

49 &lt;150&gt; PRIOR APPLICATION NUMBER: USSN 60/274,281

50 &lt;151&gt; PRIOR FILING DATE: 2001-03-08

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Input Set : D:\590C\_US.txt

Output Set: N:\CRF4\02192003\J092900A.raw

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136 <150> PRIOR APPLICATION NUMBER: USSN 60/332,094  
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## RAW SEQUENCE LISTING

DATE: 02/19/2003

PATENT APPLICATION: US/10/092,900A

TIME: 13:31:26

Input Set : D:\590C US.txt

Output Set: N:\CRF4\02192003\J092900A.raw

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206 <151> PRIOR FILING DATE: 2001-05-16
208 <150> PRIOR APPLICATION NUMBER: USSN 60/291,190
209 <151> PRIOR FILING DATE: 2001-05-15
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214 <150> PRIOR APPLICATION NUMBER: USSN 60/280,802
215 <151> PRIOR FILING DATE: 2001-04-02
217 <150> PRIOR APPLICATION NUMBER: USSN 60/335,301
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224 <151> PRIOR FILING DATE: 2002-01-03
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228 <210> SEQ ID NO: 1
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231 <213> ORGANISM: Homo sapiens
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234 <221> NAME/KEY: CDS
235 <222> LOCATION: (7)..(694)
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239      Met Asn Gln Gly Asp Ser Asn Pro Ala Ala Thr Pro His Ala
240      1              5              10
242 gca gaa gac att caa gga gat gac aga tgg atg tgt cag cac aac aga      96
243 Ala Glu Asp Ile Gln Gly Asp Asp Arg Trp Met Cys Gln His Asn Arg
244 15              20              25              30
246 ttt gtt ttg gac tgt aaa gac aaa cag cct gat gta cca ttt gcg gga      144
247 Phe Val Leu Asp Cys Lys Asp Lys Gln Pro Asp Val Pro Phe Ala Gly
248      35              40              45
250 ggc tcc gtg gtg cag tta ctg cag cca tat gag ata tgg cga gag ctt      192
251 Gly Ser Val Val Gln Leu Leu Gln Pro Tyr Glu Ile Trp Arg Glu Leu
252      50              55              60
254 ttt tcc cca ctt cat gca ctg aat ttt gga act ggg gga gat aca aca      240
255 Phe Ser Pro Leu His Ala Leu Asn Phe Gly Thr Gly Gly Asp Thr Thr
256      65              70              75
258 aga cat gtt ttg tgg aga cta aag agc gga gaa ctg ggg aat act aag      288
259 Arg His Val Leu Trp Arg Leu Lys Ser Gly Glu Leu Gly Asn Thr Lys
260      80              85              90
262 cct aag gtc att gtt ttc tgg cta gga aga aac aac cat gaa aat atg      336
263 Pro Lys Val Ile Val Phe Trp Leu Gly Arg Asn Asn His Glu Asn Met
264 95              100              105              110
266 gca gaa gag gta gca ggt ggt atg gcg gcc atc gta caa ctt atc aac      384

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Input Set : D:\590C\_US.txt

Output Set: N:\CRF4\02192003\J092900A.raw

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268          115          120          125
270 aca agg cag cca cag gcc aaa atc att gta ttt gat ctg tta cct caa 432
271 Thr Arg Gln Pro Gln Ala Lys Ile Ile Val Phe Asp Leu Leu Pro Gln
272          130          135          140
274 ggt gag aaa ccc aac cct ttg agg caa aag aac gcc aag gtg aac cca 480
275 Gly Glu Lys Pro Asn Pro Leu Arg Gln Lys Asn Ala Lys Val Asn Pro
276          145          150          155
278 ctc gtc aag att tcg ctg ctg aaa ctt acc aac gtg cag ctc ctg gat 528
279 Leu Val Lys Ile Ser Leu Leu Lys Leu Thr Asn Val Gln Leu Leu Asp
280          160          165          170
282 act gac agg ggt ttc gtg cac tcc gac cgt gcc atc tcc tgc cac gac 576
283 Thr Asp Arg Gly Phe Val His Ser Asp Arg Ala Ile Ser Cys His Asp
284 175          180          185          190
286 atg ttt gat ttt ctg cat ttg aca gga ggt ggc tac tca aag gtc tgc 624
287 Met Phe Asp Phe Leu His Leu Thr Gly Gly Gly Tyr Ser Lys Val Cys
288          195          200          205
290 aaa ccc ttg aat gaa ctg atc atg cag ttg ttg gag gaa aca cct gag 672
291 Lys Pro Leu Asn Glu Leu Ile Met Gln Leu Leu Glu Glu Thr Pro Glu
292          210          215          220
294 gag aaa caa acc acc att gcc tgactggctc ccatgagt 711
295 Glu Lys Gln Thr Thr Ile Ala
296          225
298 <210> SEQ ID NO: 2
299 <211> LENGTH: 229
300 <212> TYPE: PRT
301 <213> ORGANISM: Homo sapiens
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304 Met Asn Gln Gly Asp Ser Asn Pro Ala Ala Thr Pro His Ala Ala Glu
305 1          5          10          15
307 Asp Ile Gln Gly Asp Asp Arg Trp Met Cys Gln His Asn Arg Phe Val
308          20          25          30
310 Leu Asp Cys Lys Asp Lys Gln Pro Asp Val Pro Phe Ala Gly Gly Ser
311          35          40          45
313 Val Val Gln Leu Leu Gln Pro Tyr Glu Ile Trp Arg Glu Leu Phe Ser
314          50          55          60
316 Pro Leu His Ala Leu Asn Phe Gly Thr Gly Gly Asp Thr Thr Arg His
317 65          70          75          80
319 Val Leu Trp Arg Leu Lys Ser Gly Glu Leu Gly Asn Thr Lys Pro Lys
320          85          90          95
322 Val Ile Val Phe Trp Leu Gly Arg Asn Asn His Glu Asn Met Ala Glu
323          100          105          110
325 Glu Val Ala Gly Gly Met Ala Ala Ile Val Gln Leu Ile Asn Thr Arg
326          115          120          125
328 Gln Pro Gln Ala Lys Ile Ile Val Phe Asp Leu Leu Pro Gln Gly Glu
329          130          135          140
331 Lys Pro Asn Pro Leu Arg Gln Lys Asn Ala Lys Val Asn Pro Leu Val
332 145          150          155          160
334 Lys Ile Ser Leu Leu Lys Leu Thr Asn Val Gln Leu Leu Asp Thr Asp

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/092,900A

DATE: 02/19/2003  
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Input Set : D:\590C\_US.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:267; Xaa Pos. 179,186,193,194,195,198,200,216,219,254,255,379  
Seq#:268; Xaa Pos. 179,186,193,194,195,198,200,216,219,254,255,379